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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/629,268	
	Filing Date	July 29, 2003	
	First Named Inventor	Paul G. Cairns et al.	
	Art Unit	N/A; Confirmation No.: 6684	
	Examiner Name	N/A	
Total Number of Pages in This Submission	3	Attorney Docket Number	414-29494-US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Kaushik P. Sriram, Reg. No. 43,150	
Signature		
Date	March 5, 2004	

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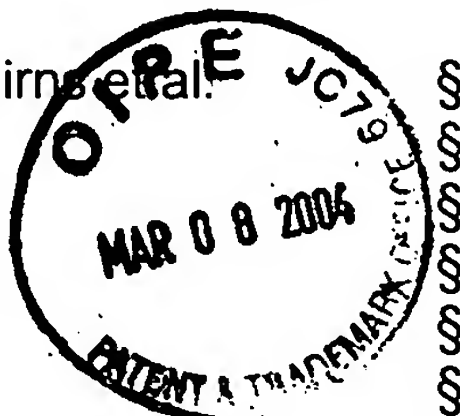
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Paul G. Cairns et al. §
SERIAL NO.: 10/629,268 §
FILED: July 29, 2003 §
TITLE: "Measurement-While-Drilling §
Assembly Using Real-Time §
Toolface Oriented Measurements" §



Group Art Unit: N/A
Examiner: N/A
Confirmation No.: 6684
Atty Docket No.: 414-29494-US

MS: DD
Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:


In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the references listed on the attached Form PTO-1449 be considered by the Examiner and made of record.

This Information Disclosure Statement is not to be considered as a representation that a search has been made or that no other material information as defined under 37 C.F.R. § 1.56(a) exists. Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement. (PCT/US03/23707 international search report dated February 19, 2004).

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 02-0429 (414-29494-US).

Respectfully submitted,

Dated: March 5, 2004


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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 414-29494-US	SERIAL NO. 10/629,268
	APPLICANT Paul G. Cairns et al.	
	FILING DATE July 29, 2003	GROUP / CONFIRMATION N/A / 6684

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,678,643	10/97	Robbins et al.	175	45	10/95
	AB	6,047,239	04/00	Berger et al.	702	9	06/98
	AC	6,088,294	07/00	Leggett, III et al.	367	25	01/97
	AD						
	AE						
	AF						
	AG						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AH							
	AI							
	AJ							

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

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EXAMINER

DATE CONSIDERED

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